查询"NTC5-102-G3950M"供应商

NTC CHIP THERMISTOR

The content of this specification may change without notification 10/25/07

Custom solutions are available.

HOW TO ORDER

NTC 05- 103- J 3950 M

Packaging
M = tape/reel

B Value (K)
Refer to spec

Tolerance
F = ±1% J = ±5%
G = ±2% K = ±10%
H = ±3%

Resistance at 25°C
102 = 1.0K ohm
103 = 10.0K ohm

Size
05 = 0402 16 = 0603

Series
NTC Chip Thermistor

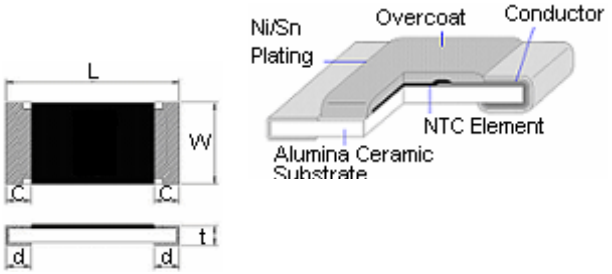
FEATURES

- SMD type NTC Chip Thermistor
- Thinner than multilayer types
- High precision and high stability
- High accuracy in resistance and B constant
- ISO/TS 16949:2002 Certified

APPLICATIONS

- Temperature compensation for transistor, IC Crystal Oscillator of mobile communications equipment.
- Temperature sensor for rechargeable batteries
- Temperature compensation for LCD
- Temperature compensation & sensing for car audio equipment

CONSTRUCTION



DIMENSIONS (mm)

Size	L	W	C	d	T
0402	1.0 ± 0.05	0.5 ± 0.05	0.2 ± 0.1	0.25 ± 0.1	0.35 ± 0.05
0603	1.6 ± 0.1	0.80 ± 0.10	0.3 ± 0.2	0.3 ± 0.2	0.45 ± 0.1

ELECTRICAL CHARACTERISTICS

0402 Size			Shared Characteristics 0402 & 0603	0603 Size		
Part Number	Zero Power Resistance @ 25°C (Ω)	B value (K)		Part Number	Zero Power Resistance @ 25°C (Ω)	B value (K)
NTC05-102☐3100M	1.0 K	3100	Resistance Tolerance: ±1%, ±2%, ±3%, ±5%, ±10%	NTC16-102☐3100M	1.0 K	3100
NTC05-152☐3100M	1.5 K	3100		NTC16-152☐3100M	1.5 K	3100
NTC05-202☐3400M	2.0 K	3400		NTC16-202☐3400M	2.0 K	3400
NTC05-222☐3400M	2.2 K	3400	Tolerance of B value: ±3%	NTC16-222☐3400M	2.2 K	3400
NTC05-332☐3400M	3.3 K	3400		NTC16-332☐3400M	3.3 K	3400
NTC05-472☐3435M	4.7 K	3435		NTC16-472☐3435M	4.7 K	3435
NTC05-502☐3435M	5.0 K	3435	Rated Power @ 25°C (mW/°C): 5	NTC16-502☐3435M	5.0 K	3435
NTC05-682☐3435M	6.8 K	3435		NTC16-682☐3435M	6.8 K	3435
NTC05-103☐3435M	10 K	3435		NTC16-103☐3435M	10 K	3435
NTC05-103☐3950M		3950	Typical Dissipation Constant (mW/°C): ≤ 4	NTC16-103☐3950M		3950
NTC05-223☐3950M	22 K	3950		NTC16-223☐3950M	22 K	3950
NTC05-333☐3950M	33 K	3950		NTC16-333☐3950M	33 K	3950
NTC05-473☐3950M	47 K	3950	Operating Temperature Range: -40°C ~ 125°C	NTC16-473☐3950M	47 K	3950
NTC05-503☐4000M	50 K	4000		NTC16-503☐4000M	50 K	4000
NTC05-104☐4000M	100 K	4000		NTC16-683☐4000M	68 K	4000
				NTC16-104☐4000M	100 K	4000
				NTC16-204☐4000M	200 K	4000
				NTC16-224☐4000M	220 K	4000

PERFORMANCE

Item	Standard	Requirement	Test Condition
Solderability	IEC68-2-20	> 90% of the terminal electrode shall be covered with solder	Soldering Temp: 235±5°C Soldering Time: 2±0.5 sec
Resistance to Solder Heat	IEC68-2-20	No serious mechanical damage ΔR ≤ 3% (ref. to initial value)	Soldering Temperature: 260±5°C, Soldering Time: 5±1 sec in solder pot
Damp Heat	IEC68-2-3	No serious mechanical damage ΔR ≤ 3%	Test Temp. & Relative Humidity: 40±2°C, 90%~95% RH Test Time: 1000±24 hrs (settled at RT for 24 hrs before measuring)
Thermal Shock	IEC68-2-14	No serious mechanical damage ΔR ≤ 3%	Cycle: min/max temp ±5°C (30 min), 25±5°C (5 min) Cycles Repeated: 100 times
High Temperature Storage	IEC68-2-20	No serious mechanical damage ΔR ≤ 3%	Max Temp: ±2°C for 1000±2 hrs (settled at RT for 24 hrs before measuring)
Life Test	CNS5550	No serious mechanical damage ΔR ≤ 3%	Max Temp ±5°C Loading Prated for 1000±24 hrs (settled at RT for 24 hrs before measuring)

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